



PCT09

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/889,236B

DATE: 02/14/2003

TIME: 13:39:22

Input Set : A:\pf0659usn_subseqlist.txt
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1 <110> APPLICANT: HILLMAN, Jennifer L.
 2 TANG, Y. Tom
 3 LU, Dyung Aina M.
 4 AZIMZAI, Yalda
 6 <120> TITLE OF INVENTION: Proteins Associated with Circadian Rhythms
 8 <130> FILE REFERENCE: PF-0659 USN
 10 <140> CURRENT APPLICATION NUMBER: 09/889,236B
 C--> 11 <141> CURRENT FILING DATE: 2002-10-20
 13 <150> PRIOR APPLICATION NUMBER: PCT/US00/01086
 14 <151> PRIOR FILING DATE: 2000-01-14
 16 <150> PRIOR APPLICATION NUMBER: 60/183,019
 17 <151> PRIOR FILING DATE: 1999-01-15
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 36 Thr Lys Ala Arg Ala His Gly Leu Glu Val Glu Pro Ser Ala Leu
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 38 Glu Gln Gly Phe Arg Gln Ala Tyr Arg Ala Gln Ser His Ser Phe
 39 50 55 60
 40 Pro Asn Tyr Gly Leu Ser His Gly Leu Thr Ser Arg Gln Trp Trp
 41 65 70 75
 42 Leu Asp Val Val Leu Gln Thr Phe His Leu Ala Gly Val Gln Asp
 43 80 85 90
 44 Ala Gln Ala Val Ala Pro Ile Ala Glu Gln Leu Tyr Lys Asp Phe
 45 95 100 105
 46 Ser His Pro Cys Thr Trp Gln Val Leu Asp Gly Ala Glu Asp Thr
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 48 Leu Arg Glu Cys Arg Thr Arg Gly Leu Arg Leu Ala Val Ile Ser
 49 125 130 135
 50 Asn Phe Asp Arg Arg Leu Glu Gly Ile Leu Gly Gly Leu Gly Leu
 51 140 145 150
 52 Arg Glu His Phe Asp Phe Val Leu Thr Ser Glu Ala Ala Gly Trp

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53 155 160 165
 54 Pro Lys Pro Asp Pro Arg Ile Phe Gln Glu Ala Leu Arg Leu Ala
 55 170 175 180
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 58 Cys Asp Tyr Gln Gly Pro Arg Ala Val Gly Met His Ser Phe Leu
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 60 Val Val Gly Pro Gln Ala Leu Asp Pro Val Val Arg Asp Ser Val
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 86 65 70 75
 87 Arg Thr Ser Val Gly Pro Val Ile Gln Lys Met Trp Asp Gln Glu
 88 80 85 90
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 91 Val Arg Pro Thr Val Leu Met Pro Leu Trp Asn Val Leu Gly Phe
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 95 Ala Cys Thr Val Ala Val Glu Glu Ser Ile Ala His His Tyr Asn
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 100 170 175 180
 101 His His Asp Ile Gly Leu Asp His Asp Ala Glu Leu Ala Pro Ala
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 103 Tyr Ala Val Leu Lys Ser Ile Ile Gln Ala Gly Cys Arg Val Ala
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122 ggccctggaaa gaggtgattt ttaggttgcg cagaggtggt cttatccagc tcagcttccc 300
123 ctgggaccctt ccgtgggacc tgaggcagaa ctggggtgga cttggcctcc tccatggcac 360
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125 acccccttagg ggaggcctat gccaccaagg cccggggcca tgggctggag gtggagccct 480
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156 tcagaaaatg tggatcaag aaaaggacca tttggaaaatg ttcaatggatg tggatggat 360
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 163 tgccctgtcta taaaagatga tagtaattt ccaagtgaca tttgcagaga aacaggtgta 780
 164 cagttatcgt tgtactttt tacaatgtga attttgttaa taaattataa ggtttgtttt 840
 165 tttttttta aactctgcag tgttgatttt tctctgggtt gtttttctg ccatgagacc 900
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 183 35 40 45
 184 Ala Lys Asn Phe Lys Ala Asn Trp Tyr Lys Met Asn Arg Asp Tyr
 185 50 55 60
 186 Pro Asn Phe Gly Arg Asp Thr Asn Pro Gln Met Glu Trp Gln Gln
 187 65 70 75
 188 Trp Trp Arg Lys Leu Ile Ala Gly Thr Phe Ala Glu Ser Gly Ala
 189 80 85 90
 190 Ala Ile Pro Asp Glu Lys Leu His Asn Phe Ser Asn His Leu Ile
 191 95 100 105
 192 Glu Leu Tyr Lys Thr Ser Ile Cys Trp Gln Pro Cys Asn Gly Ser
 193 110 115 120
 194 Val Glu Leu Leu Gln Gln Leu Arg Lys Glu Leu Lys Pro Glu Lys
 195 125 130 135
 196 Cys Lys Leu Gly Val Ile Ala Asn Phe Asp Pro Arg Leu Pro Thr
 197 140 145 150
 198 Leu Leu Gln Asn Thr Lys Leu Asp Gln Tyr Leu Asp Phe Ala Ile
 199 155 160 165
 200 Asn Ser Tyr Glu Val Gln Ala Glu Lys Pro Asp Pro Gln Ile Phe
 201 170 175 180
 202 Gln Lys Ala Met Glu Lys Ser Gly Leu Lys Asn Leu Lys Pro Glu
 203 185 190 195
 204 Glu Cys Leu His Ile Gly Asp Gly Pro Thr Thr Asp Tyr Leu Ala
 205 200 205 210
 206 Ala Lys Glu Leu Gly Trp His Ser Ala Leu Val His Glu Lys Ser
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 208 Tyr Ala Tyr Leu Val Lys Lys Tyr Gly Glu Asp Ile Asp Arg Asp
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 210 His Val Phe Pro Ser Leu Tyr Asp Phe His Lys Lys Ile Ser Asp
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230 35 40 45
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232 50 55 60
233 Tyr Gly Ala Asn Arg Ile Tyr Ala Gly Gln Met Ala Val Leu Gly
234 65 70 75
235 Arg Thr Ser Val Gly Pro Val Ile Gln Lys Met Trp Asp Gln Glu
236 80 85 90
237 Lys Asn His Leu Lys Lys Phe Asn Glu Leu Met Ile Ala Phe Arg
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239 Val Arg Pro Thr Val Leu Met Pro Leu Trp Asn Val Ala Gly Phe
240 110 115 120
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245 Asn Gln Ile Arg Met Leu Met Glu Glu Asp Pro Glu Lys Tyr Glu
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247 Glu Leu Leu Gln Val Ile Lys Gln Phe Arg Asp Glu Glu Leu Glu
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249 His His Asp Thr Gly Leu Asp His Asp Ala Glu Leu Ala Pro Ala
250 185 190 195
251 Tyr Ala Leu Leu Lys Arg Ile Ile Gln Ala Gly Cys Ser Ala Ala
252 200 205 210
253 Ile Tyr Leu Ser Glu Arg Phe
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VERIFICATION SUMMARY

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